


<b>SOLICITATION/CONTRACT/ORDER FOR COMMERCIAL ITEMS</b> <i>OFFEROR TO COMPLETE BLOCKS 12, 17, 23, 24, AND 30</i>				1. REQUISITION NUMBER 0010552413-0003		PAGE 1 OF 14	
2. CONTRACT NO. W56HZV-14-C-L734		3. AWARD/EFFECTIVE DATE 26-Sep-2014		4. ORDER NUMBER		5. SOLICITATION NUMBER	
7. FOR SOLICITATION INFORMATION CALL:		a. NAME				b. TELEPHONE NUMBER (No Collect Calls)	
9. ISSUED BY  INSTAL & VEHICLE SUP CONTRACTING DIV 6501 E. 11 MILE ROAD WARREN MI 48397-5000  TEL: FAX:		CODE W56HZV		10. THIS ACQUISITION IS  <input checked="" type="checkbox"/> UNRESTRICTED OR <input type="checkbox"/> SET ASIDE: _____ % FOR: <input type="checkbox"/> SMALL BUSINESS <input type="checkbox"/> WOMEN-OWNED SMALL BUSINESS (WOSB) <input type="checkbox"/> HUBZONE SMALL BUSINESS <input type="checkbox"/> ECONOMICALLY DISADVANTAGED WOMEN-OWNED SMALL BUSINESS (EDWOSB) NAICS: 334515 <input type="checkbox"/> SERVICE-DISABLED VETERAN-OWNED SMALL BUSINESS <input type="checkbox"/> 8(A) SIZE STANDARD:			
11. DELIVERY FOR FOB DESTINATION UNLESS BLOCK IS MARKED <input type="checkbox"/> SEE SCHEDULE		12. DISCOUNT TERMS Net 30 Days		13a. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700) <input type="checkbox"/>		13b. RATING	
						14. METHOD OF SOLICITATION <input type="checkbox"/> RFQ <input type="checkbox"/> IFB <input type="checkbox"/> RFP	
15. DELIVER TO TARDEC RAY D. PACE RAY D. PACE RDTA-EN/MS 121 RAY.D.PACE2.CIV@MAIL.MIL WARREN MI 48397-5000		CODE W91ATL		16. ADMINISTERED BY INSTAL & VEHICLE SUP CONTRACTING DIV CPT LATIA WICKLIFFE CCTA-HDWS350 LATIA.K.WICKLIFFE.MIL@MAIL.MIL WARREN MI 48397-5000			
17a. CONTRACTOR/OFFEROR ETAS, INC. JAMIE CRANE 3021 MILLER RD ANN ARBOR MI 48103-2122 TELEPHONE NO. 734-994-7554		CODE 31TV4		FACILITY CODE 31TV4		18a. PAYMENT WILL BE MADE BY DFAS-INDY VP GFEB5 8899 E 56TH STREET INDIANAPOLIS IN 46249-3800	
<input type="checkbox"/> 17b. CHECK IF REMITTANCE IS DIFFERENT AND PUT SUCH ADDRESS IN OFFER		18b. SUBMIT INVOICES TO ADDRESS SHOWN IN BLOCK 18a. UNLESS BLOCK BELOW IS CHECKED <input type="checkbox"/> SEE ADDENDUM					
19. ITEM NO.		20. SCHEDULE OF SUPPLIES/ SERVICES			21. QUANTITY		22. UNIT
		SEE SCHEDULE					
25. ACCOUNTING AND APPROPRIATION DATA  See Schedule						26. TOTAL AWARD AMOUNT (For Govt. Use Only)  \$223,869.20	
<input type="checkbox"/> 27a. SOLICITATION INCORPORATES BY REFERENCE FAR 52.212-1. 52.212-4. FAR 52.212-3. 52.212-5 ARE ATTACHED. ADDENDA <input type="checkbox"/> ARE <input type="checkbox"/> ARE NOT ATTACHED <input type="checkbox"/> 27b. CONTRACT/PURCHASE ORDER INCORPORATES BY REFERENCE FAR 52.212-4. FAR 52.212-5 IS ATTACHED. ADDENDA <input type="checkbox"/> ARE <input type="checkbox"/> ARE NOT ATTACHED							
<input type="checkbox"/> 28. CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN 2 COPIES TO ISSUING OFFICE. CONTRACTOR AGREES TO FURNISH AND DELIVER ALL ITEMS SET FORTH OR OTHERWISE IDENTIFIED ABOVE AND ON ANY ADDITIONAL SHEETS SUBJECT TO THE TERMS AND CONDITIONS SPECIFIED.					<input checked="" type="checkbox"/> 29. AWARD OF CONTRACT: REF. Quote # 2014305207 OFFER DATED <u>17-Sep-2014</u> . YOUR OFFER ON SOLICITATION (BLOCK 5), INCLUDING ANY ADDITIONS OR CHANGES WHICH ARE SET FORTH HEREIN, IS ACCEPTED AS TO ITEMS: SEE SCHEDULE		
30a. SIGNATURE OF OFFEROR/CONTRACTOR				31a. UNITED STATES OF AMERICA (SIGNATURE OF CONTRACTING OFFICER)  			
30b. NAME AND TITLE OF SIGNER (TYPE OR PRINT)		30c. DATE SIGNED		31b. NAME OF CONTRACTING OFFICER (TYPE OR PRINT) CHERYL JOHNS / CONTRACTING OFFICER TEL: 586-282-3725 EMAIL: cheryl.a.johns2.civ@mail.mil		31c. DATE SIGNED 26-Sep-2014	

## Section SF 1449 - CONTINUATION SHEET

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0010	LABCAR System Software Pack F-00K-105-06 FFP PC-Based, machined -named license for LABCAR System Software Pack. Includes LABCAR System Software maintenance for one-year from activation date. INCREMENTAL INVOICING BY CONTRACTOR IS ACCEPTABLE. Ship To:  Dan Pace Detroit Arsenal – TARDEC Bldg 249 Shipping and Receiving Dock 6501 E 11 Mile Rd Warren, MI 48397-5000  FOB: Destination PURCHASE REQUEST NUMBER: 0010552413-0003	1	Job	\$18,409.20	\$18,409.20
NET AMT					\$18,409.20
ACRN AA CIN: GFEB001055241300010					\$18,409.20

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0020		1	Job	\$161,460.00	\$161,460.00

Turn-key LABCAR Hardware F-00K-002-017

FFP

See list for hardware components included in turn-key LABCAR simulator.

INCREMENTAL INVOICING BY THE CONTRACTOR IS ACCEPTABLE.

Ship To:

Dan Pace

Detroit Arsenal – TARDEC

Bldg 249

Shipping and Receiving Dock

6501 E 11 Mile Rd

Warren, MI 48397-5000

FOB: Destination

PURCHASE REQUEST NUMBER: 0010552413-0003

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NET AMT

\$161,460.00

ACRN AA

\$161,460.00

CIN: GFEB001055241300020

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0030		1	Job	\$8,000.00	\$8,000.00

Internal LABCAR Cable Kit E-00K-500-341

FFP

Required for second breakout box (BoB) internal wiring connections.

Ship To:

Dan Pace

Detroit Arsenal – TARDEC

Bldg 249

Shipping and Receiving Dock

6501 E 11 Mile Rd

Warren, MI 48397-5000

FOB: Destination

PURCHASE REQUEST NUMBER: 0010552413-0003

NET AMT

\$8,000.00

ACRN AA

\$8,000.00

CIN: GFEB001055241300030

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0040		1	Job	\$15,000.00	\$15,000.00

ECU Loadboxes E-00K-500-341

FFP

D1 FlexECU load box; G1 FlexECU loadbox; Common Controller loadbox

Ship To:

Dan Pace

Detroit Arsenal – TARDEC

Bldg 249

Shipping and Receiving Dock

6501 E 11 Mile Rd

Warren, MI 48397-5000

FOB: Destination

PURCHASE REQUEST NUMBER: 0010552413-0003

NET AMT

\$15,000.00

ACRN AA

\$15,000.00

CIN: GFEB001055241300040

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0050		1	Job	\$15,000.00	\$15,000.00

ECU Harnesses E-00K-500-341

FFP

D1 FlexECU harness; G1 FlexECU harness; Common Controller harness

Ship To:

Dan Pace

Detroit Arsenal – TARDEC

Bldg 249

Shipping and Receiving Dock

6501 E 11 Mile Rd

Warren, MI 48397-5000

FOB: Destination

PURCHASE REQUEST NUMBER: 0010552413-0003

NET AMT

\$15,000.00

ACRN AA

\$15,000.00

CIN: GFEB001055241300050

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0060		1	Job	\$6,000.00	\$6,000.00

LABCAR Configuration E-00K-500-391

FFP

ETAS will generate a LABCAR-OPERATOR project for the Common Controller ECU, test the system with simulated loads, test the system with D1 FlexECU, G1 FlexECU, and Common Controller ECU connected, and provide system training.

Ship To:

Dan Pace  
 Detroit Arsenal – TARDEC  
 Bldg 249  
 Shipping and Receiving Dock  
 6501 E 11 Mile Rd  
 Warren, MI 48397-5000

FOB: Destination

PURCHASE REQUEST NUMBER: 0010552413-0003

NET AMT

\$6,000.00

ACRN AA

\$6,000.00

CIN: GFEB001055241300060

## INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0010	Destination	Government	Destination	Government
0020	Destination	Government	Destination	Government
0030	Destination	Government	Destination	Government
0040	Destination	Government	Destination	Government
0050	Destination	Government	Destination	Government
0060	Destination	Government	Destination	Government

## DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
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0010	31-DEC-2014	1	TARDEC RAY D. PACE RAY D. PACE RDTA-EN/MS 121 RAY.D.PACE2.CIV@MAIL.MIL WARREN MI 48397-5000 586-282-4780 FOB: Destination	W91ATL
0020	31-DEC-2014	1	(SAME AS PREVIOUS LOCATION) FOB: Destination	W91ATL
0030	31-AUG-2015	1	(SAME AS PREVIOUS LOCATION) FOB: Destination	W91ATL
0040	31-AUG-2015	1	(SAME AS PREVIOUS LOCATION) FOB: Destination	W91ATL
0050	31-AUG-2015	1	(SAME AS PREVIOUS LOCATION) FOB: Destination	W91ATL
0060	31-AUG-2015	1	(SAME AS PREVIOUS LOCATION) FOB: Destination	W91ATL

## ACCOUNTING AND APPROPRIATION DATA

AA: 0212014201520400000663633310      R.0012853.1.2      6100.9000021001  
 COST CODE: A60FL  
 AMOUNT: \$223,869.20  
 CIN GFEBS001055241300010: \$18,409.20  
 CIN GFEBS001055241300020: \$161,460.00  
 CIN GFEBS001055241300030: \$8,000.00  
 CIN GFEBS001055241300040: \$15,000.00  
 CIN GFEBS001055241300050: \$15,000.00  
 CIN GFEBS001055241300060: \$6,000.00

## CLAUSES INCORPORATED BY REFERENCE

52.212-4	Contract Terms and Conditions--Commercial Items	MAY 2014
52.212-5	Contract Terms and Conditions Required to Implement Statutes or Executive Orders--Commercial Items	JUL 2014
52.247-34	F.O.B. Destination	NOV 1991
52.252-2	Clauses Incorporated By Reference	FEB 1998
252.203-7000	Requirements Relating to Compensation of Former DoD Officials	SEP 2011
252.204-7006	Billing Instructions	OCT 2005
252.211-7003	Item Unique Identification and Valuation	DEC 2013

252.225-7001	Buy American And Balance Of Payments Program	DEC 2012
252.225-7002	Qualifying Country Sources As Subcontractors	DEC 2012
252.232-7003	Electronic Submission of Payment Requests and Receiving Reports	JUN 2012
252.232-7010	Levies on Contract Payments	DEC 2006
252.243-7001	Pricing Of Contract Modifications	DEC 1991
252.246-7000	Material Inspection And Receiving Report	MAR 2008

## CLAUSES INCORPORATED BY FULL TEXT

52.201-4000 TACOM-WARREN OMBUDSPERSON Jan 06

Information regarding the TACOM-Warren Ombudsperson is located at the website <http://contracting.tacom.army.mil/acqinfo/ombudsperson.htm>.

52.204-4005 (TACOM) REQUIRED USE OF ELECTRONIC COMMERCE (AUG 2012)

(a) All contract awards, modifications and delivery orders issued by TACOM will be issued electronically. The contractor has the option to receive these actions either via the Worldwide Web (WWW) or Electronic Data Interchange (EDI). Many provisions/clauses that appear "by reference", meaning only clause titles and regulation site are listed; their full texts can be found at the website: <http://farsite.hill.af.mil/>

(b) In order to be eligible to receive an award under this solicitation, the successful offeror must be registered with the Department of Defense (DOD) System for Award Management (SAM). The SAM registration process may be done electronically at the World Wide Web (WWW) site: <https://www.sam.gov/portal/public/SAM>. (In order to be registered to use EDI, you must use the long form for registration. Certification information, including information on the EDI 838 TPP, must be furnished to the Contracting Officer within 60 calendar days after contract award to complete networking requirements within the Government.)

(c) Worldwide Web Distribution. The contractor will receive an electronic Notice of the Award, Modification, or Delivery Order via e-mail. If you choose the WWW option, you must download the file from the appropriate TACOM webpage:

Warren: [http://contracting.tacom.army.mil/CFDATA/AWARDS/AWARD\\_RPT01.cfm](http://contracting.tacom.army.mil/CFDATA/AWARDS/AWARD_RPT01.cfm)

Rock Island - JMTC: <https://acquisition.army.mil/asfi/>

Red River Army Depot: <https://www.redriver.army.mil/>

Anniston Army Depot: <https://acquisition.army.mil/asfi/>

(d) Electronic Data Interchange. If you choose to receive contract awards, modifications and delivery orders through EDI, they will be delivered electronically via the Federal Acquisition Network (FACNET). Federal Standard Version 3050 of Standard X12 from the American National Standards Institute (ANSI) will be used as the format for these electronic transactions.

(1) You must complete the EDI 838 Trading Partner Profile, and must agree (i) to subcontract with a DoD certified VAN or Value Added Service (VAS) provider, or (ii) to become DoD certified as a Value Added Network (VAN). The EDI 838 Training Partner Profile is contained in the basic SAM registration form and includes portions of the registration form which are titled "Optional".

(2) You must select a VAN from the official DoD approved list. DoD Certified VANs are listed at <http://www.acq.osd.mil/dpap/ebiz/VANs.htm> . If your VAN is later removed from the official list, or if you voluntarily drop your initially selected VAN, then you must switch to a VAN that remains on the official DoD approved list. You must maintain an active account on a DoD approved VAN for the entire duration of the contract, beginning no later than the 60th day after award.

(e) Unless otherwise specified elsewhere in the contract, all data items you are required to provide under this contract must be submitted electronically. Please go to the following webpage for <http://contracting.tacom.army.mil/acqinfo/ebidnotice.htm>

(f) Additional information can be obtained by sending a message to: [usarmy.detroit.acc.mbx.wrn-web-page@mail.mil](mailto:usarmy.detroit.acc.mbx.wrn-web-page@mail.mil) or by calling (586) 282-7059.

[End of Clause]

52.204-4009 (TACOM) MANDATORY USE OF CONTRACTOR TO GOVERNMENT ELECTRONIC COMMUNICATION (AUG 2008)

- (a) All references in the contract to the submission of written documentation shall mean electronic submission. All electronic submissions shall be in the formats and media described in the website: <http://contracting.tacom.army.mil/acqinfo/ebidnotice.htm>.
- (b) This shall include all written unclassified communications between the Government and the Contractor except contract awards and contract modifications which shall be posted on the internet. Return receipt shall be used if a commercial application is available. Classified information shall be handled in full accordance with the appropriate security requirements.
- (c) In order to be contractually binding, all Government communications requiring a Contracting Officer signature must include an affirmative response from the Contracting Officer's e-mail address. The Contractor shall designate the personnel with signature authority who can contractually bind the contractor. All binding contractor communication shall be sent from this contractor e-mail address(es).
- (d) Upon award, the Contractor shall provide the Contracting Officer with a list of e-mail addresses for all administrative and technical personnel assigned to this contract.
- (e) Unless exempted by the Procuring Contracting Officer in writing, all unclassified written communication after contract award shall be transmitted electronically.

(End of Clause)

52.211-4000 (TACOM) MARKING OF SHIPMENT (JUL 2008)

All packages must be marked with the contents and TACOM Contract/Order Number.  
Failure to properly mark all shipments may result in delayed payment and possible rejection of invoices and/or shipments.

[End of Clause]

## 52.232-4000(TACOM) CONTRACTING OFFICER'S AUTHORITY

(APR 2006)

The Contracting Officer is the only person authorized to approve additions or changes in any of the requirements under any contract, resulting from this solicitation, notwithstanding any provisions contained elsewhere in this contract, the said authority remains solely in the Contracting Officer. In the event that the contractor effects any change at the direction of any person other than the Contracting Officer, such change shall be solely at the risk of the contractor. (See General Provision, entitled: "Notification of Changes," FAR 52.243-7 or paragraph (c) of FAR 52.212-4).

[End of Clause]

## 52.232-4007

## WIDE AREA WORK FLOW (WAWF), CODES, AND DESIGNATED ACCEPTORS (AUG 2012)

The contractor shall use WAWF to electronically process invoices for payment and receiving reports. The contractor shall register to use WAWF and take the Web-based training at <https://wawf.eb.mil>. Direct any questions relating to the system and vendor training to the Ogden Help Desk at 866-618-5988.

To properly route an invoice and receiving report through WAWF, the contractor shall indicate the following when prompted:

1. Select the appropriate type of invoice as indicated below. **It is imperative that contractors select the proper type of invoice.** Improper selection of an invoice type will result in the delay of a payment or the rejection of an invoice submittal.

  X   **Invoice and Receiving Report Combo (Supplies)**

Use for contracts that are entirely for supply requirements or for contracts that are predominantly for supply requirements but also includes minimal service line items.

       **Invoice 2-in-1 (Services)**

Use for contracts that are entirely for service requirements.

2. Use the following DoDAAC (Department of Defense Activity Address Code) codes when prompted:
  - Your firm's CAGE Code: **31TV4**
  - Issue and Admin DoDAAC Code: **W56HZV**
  - Ship-To DoDAAC Code: **W91ATL**
  - Accept-By DoDAAC Code: **W91ATL**
  - Payment DoDAAC Code: **HQ0490**
3. Include the **Purchase Request Number** as specified in each Contract Line Item Number (CLIN). This number can be found at the bottom of the extended description of each CLIN. **NOTE:** The purchase request number may be different for each CLIN. **001552413-0002**
4. Indicate the proper **Unit of Measure** as specified in each CLIN. Failure to indicate the proper Unit of Measure will lead to vendor pay issues. **EACH**
5. Indicate the following **Acceptor, Alternate Acceptor, and Contract Specialist** when the WAWF system prompts for "additional e-mail submission" after clicking "Signature".
  - Primary Acceptor Name: Dan Pace
  - Primary Acceptor e-mail: ray.d.pace.civ@mail.mil

- Alternate Acceptor Name: Kevin Sharples
- Alternate Acceptor e-mail: kevin.t.sharples.civ@mail.mil
- Contract Specialist Name: Latia Wickliffe
- Contract Specialist e-mail: latia.k.wickliffe.mil@mail.mil

To track the status of an invoice, in WAWF click on the link, "Pay Status" (myInvoice-External link) found under the tab named "Lookup" or by going to <https://myinvoice.csd.disa.mil/index.html>. If the payment office indicated in the contract is Columbus, direct any payment related questions to the Defense Finance Accounting Services (DFAS) Columbus at 800-756-4571. If the payment office is other than Columbus, contact the contract administrator for the customer service phone/fax numbers.

[End of clause]

#### 52.246-4009 (TACOM) INSPECTION AND ACCEPTANCE POINTS: DESTINATION (FEB 1995)

Inspection and acceptance of supplies offered under this purchase order shall take place as specified here.

Inspection: DESTINATION

Acceptance: DESTINATION.

[End of Clause]

#### TURN-KEY LABCAR COMPONENTS

Description	QTY
ES4100 system chassis with IO controller	2
Programable Power supply (30V,50A)	2
Battery node controller	1
Real-Time execution PC (RTPC)	1
Two channel CAN buses	3
One channel LIN buses	3
24 Resistive loads	1
Sixteen analog inputs	1
Twenty analog outputs	1
Twenty-Four discrete/PWM inputs & sixteen discrete/PWM outputs	4
Six crank/cam/knock sensors	1
Twenty channel PWM synchronized measurements	1
6 thermistor sensors, 2 oxygen sensors	1
CE compliant ac distribution panel	1
Carrier board for four ADCs and DACs	2
Ten channel digital-to-analog D(A)	5
Sixteen channel analog-to-digital (AD)	2
Six resistor cascades	5
Twenty channels PWM synchronized measurements	1
Twenty four channel resistive loads	2
Fault insertion unit (FIU)	1

Connector set for FIU	1
Cable kit between FIU and Breakout Box (BoB)	1
Breakout box (BoB) and connector panel	1
Breakout box (BoB) ES4640.1-B	1
Connector set for BoB's.	2
Rack system 38U for system components	1
Rack System 18U for load boxes.	1
ECU Drawer 1U	2